

To ensure the health and safety of all DOI building occupants, the GSA Modernization team has had an industrial hygiene contractor (MACTEC, Inc.) conduct air monitoring for both asbestos and lead based paint. All air sampling results collected in occupied areas were within regulatory guidelines (See attached MACTEC report summaries).

(See attached file: MACTEC-27 Oct.-23 Nov.2007-pdf.pdf)

In addition to the routine asbestos and lead based paint air monitoring, MACTEC also provides daily Total Volatile Organic Compound (TVOC) and Particulate air screenings within the DOI-Main Building. These screenings are used to monitor and help improve the engineering controls utilized by the Modernization Contractor (Grunley). Screening results indicated that all parameters tested were within regulatory and industry guidelines.

Copies of all air sampling (to include all Attachments) have been forwarded to your office.

Please contact me if you have any questions.

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MONTHLY SUMMARY REPORT

INDUSTRIAL HYGIENE SERVICES AT THE DEPARTMENT OF INTERIOR MAIN MODERNIZATION PROJECT

**1849 C ST., NW
WASHINGTON, DC**

**Report No. 3: 27 October 07 through 23 November 07
Order Period of Performance: 31 July 07 through 1 Aug 08**

1.0 PROJECT SUMMARY

The General Services Administration National Capital Region (GSA NCR) Safety, Environment, and Fire Protection Branch contracted with MACTEC Federal Programs, Inc. (MACTEC) to provide industrial hygiene monitoring services during renovation activities associated with the Department of Interior Main Modernization project located at 1849 C St., NW in Washington, DC. MACTEC industrial hygienists providing on-site support during this time period included Chris Weaver, Chelsea Ford, Whitney Bishop, Weston Casey, and Colin Grigg. MACTEC provided industrial hygiene support on two shifts daily, which included the day shift (approximately 6:00 am – 3:00 pm), and the night shift (approximately 7:00 pm – 5:00 am). Weekend and holiday support was also provided as needed.

MACTEC began work on the project on July 31, 2007, and continues to date. This report covers the period from October 27, 2007 through November 23, 2007. During that time period, asbestos and lead-based paint abatement was conducted by three contractors, Basic Industries, Southern Insulation and EDS.

2.0 ABATEMENT AND SAMPLING ACTIVITIES

Abatement of asbestos-containing pipe and duct insulation, as well as ceiling tiles, continued on the basement through the penthouse. TEM clearance samples were collected on all full containments and mini-built containments. PCM clearance samples were collected for mini pop-up containments, as well as glove-bag removal and emergency clean-up. Ambient air sampling continued daily in the corridors of the occupied areas. Bulk asbestos samples were collected on the 1st floor. Basic Industries completed all scheduled lead abatement on windows November 2, 2007. Lead abatement on other building components continues on the 2nd floor in the west wing.

All phase contrast microscopy (PCM) air samples were analyzed by MACTEC industrial hygienists on-site. On-site analysts have successfully completed a NIOSH 582 equivalent course on the collection and analysis of asbestos air samples, as well as a Virginia Project Monitor course. Transmission electron microscopy (TEM) air samples, lead air samples and bulk asbestos samples were analyzed by RJ Lee Group in Manassas, VA, or Aerosol Monitoring and Analysis (AMA) in Lanham, MD.

3.0 ENGINEERING CONTROL VERIFICATION ACTIVITIES

MACTEC performed daily direct-read monitoring of nuisance dust and total volatile organic compounds (TVOC). Daily measurements were collected in the hallways adjacent to construction areas to confirm the effectiveness of engineering controls already in place. Smoke tests were also performed daily at construction entrances to visually verify negative pressure around entrance doors. In addition, MACTEC responded to occupant indoor air quality (IAQ) complaints as requested by the Modernization Office. Weekly summary reports were provided to GSA and the DOI Modernization Office documenting dust and TVOC sampling results.

In an effort to evaluate the demolition/renovation contractors' compliance with the Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) IAQ guidelines, MACTEC performed daily walk-throughs of the construction areas on all floors. A checklist provided by the DOI Modernization Office was used to evaluate compliance areas and provide an overall qualitative compliance "score".

Ambient air samples for asbestos were collected on every floor of the building during each work day of the reporting period. All ambient air samples for asbestos were within applicable occupancy standards.

4.0 ATTACHMENTS

The following attachments are provided for your records:

- Attachment A – Ambient Air Sampling Daily Summaries
- Attachment B – PCM Air Sample Data Sheets
- Attachment C – Abatement Monitoring Daily Summaries
- Attachment D – PCM/TEM Data Sheets
- Attachment E – Lead Air Monitoring Results
- Attachment F – Bulk Asbestos Sample Results